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GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Agency Interest No. 286
Activity No. PER20090002

Mr. D. L. Schuessler
Site Manager
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
P.O. Box 241
Baton Rouge, LA 70821-0241

RE: Part 70 Operating Permit Renewal and Modification, Halobutyl Production Facility, Baton Rouge Chemical Plant, ExxonMobil Chemical Company, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Schuessler:

This is to inform you that the Part 70 operating permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the application submitted and the approval in no way relieves of the applicant of the obligation to comply with all applicable requirements.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number cited below and Agency Interest No. 286 should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2010

Permit No.: 2166-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:CXL
cc: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
EXXONMOBIL CHEMICAL COMPANY, BATON ROUGE CHEMICAL PLANT
HALOBUTYL PRODUCTION FACILITY
PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 air operating permit renewal for ExxonMobil Chemical Company, P.O. Box 241, Baton Rouge, LA 70821-0241 for the Baton Rouge Chemical Plant (BRCP) - Halobutyl Production Facility. **The facility is located at 4999 Scenic Highway, Baton Rouge, East Baton Rouge Parish.**

BRCP requested to renew the Part 70 air operating permit for the Halobutyl Unit. There is no project associated with this renewal. Updated information is being incorporated into this renewal including:

- Leg landing losses from floating roof tanks has been included as a GC XVII Work Activity.
- GFLA 2/5/6 Cooling Tower (C-08) is used by the following units:
C-08A - Halobutyl, C-08B - Vistalon, C-08C - Maintrain, C-08D - Plant Infrastructure, C-08E - Vistalon, C-08F - Neo Acids, C-08G - BRTG, C-08H - AWT Thermal Combustor, and C-08J – Coproducts.

Since the Halobutyl Unit (C-08A) is the major user of the C-08, all of the emissions (C-08A, C-08B, C-08C, C-08D, C-08E, C-08F, C-08G, C-08H, and C-08J) are being rolled into C-08. Emission Point Nos. C-08A, C-08B, C-08C, C-08D, C-08E, C-08F, C-08G, C-08H, and C-08J will be removed from the respect permits on the next permit modification or renewal.

Estimated emissions from the Halobutyl Production Facility in tons per year are as follows:

Pollutant	Permitted	Proposed	Change
PM ₁₀	20.32	26.68	+6.36
SO ₂	0.28	0.28	-
NO _x	330.99	331.03	+0.04
CO	353.57	353.58	+0.01
VOC	375.60	380.70	+5.10

LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Permitted	Proposed	Change
Total VOC TAPs	228.50	227.16	-1.34
Other VOC	147.10	153.54	+6.44

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, January 4, 2010.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed permit and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.

Additional copies may be reviewed at the East Baton Rouge Parish Library, Delmont Gardens Branch, 3351 Lorraine Street, Baton Rouge, LA 70805.

Inquiries or requests for additional information regarding this permit action should be directed to Cathy Lu, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3124.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmailistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabcid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 286, Permit Number 2166-V2, and Activity Number PER20090002.

Scheduled Publication Date: November 30, 2009

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Halobutyl Production Facility
Baton Rouge Chemical Plant
Agency Interest No. 286
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

I. BACKGROUND

ExxonMobil Chemical Company (ExxonMobil) owns and operates a chemical manufacturing complex, the Baton Rouge Chemical Plant (BRCP). The Halobutyl Production Facility currently operates under Permit No. 2166-V1, issued on July 16, 2004 with Administrative amendments issued on August 4, 2006, March 8, 2007, and September 9, 2009.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ), dated January 16, 2009, was submitted requesting a renewal and modification of the Part 70 operating permit for the Halobutyl Production Facility.

III. DESCRIPTION

Halobutyl rubber is made by the reaction of isobutylene, isoprene and a block copolymer to form a polymer that is then halogenated in a hexane carrier. Refrigerated, stirred reactors, operated on a flow through basis, are used in carrying out the polymerization. The exothermic heat of reaction is removed by circulating a refrigerant through the jackets of the reactors. The polymer is dissolved in hexane as it leaves the reactors and then undergoes stripping to remove unreacted monomers. The polymer is concentrated and halogenated. Next the halogenated polymer is precipitated to form a crumb rubber in water slurry by the introduction of steam and hot water. The steam and water flush the hexane for recovery. All of this occurs at the co-polymerization unit referred to as RLA-1.

The rubber slurry (in water) is then pumped to the Halobutyl Finishing Unit (HFU) for dewatering, drying and product packaging. Successive stripping operations at the co-polymerization unit (RLA-1) recover 99.8 wt% of the entering volatile organic compounds (VOCs), however some VOCs are retained in the pores of the slurried rubber. The majority of the residual VOCs is vaporized and exhausted along with air and steam during dewatering and drying. The HFU Thermal Treating Unit (TTU) collects the highest VOC concentration exhaust streams and thermally treats them to reduce VOC emissions.

Project Description

There is no project associated with this renewal. Updated information is being incorporated into this renewal including:

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- Leg landing losses from floating roof tanks has been included as a GC XVII Work Activity.
- GFLA 2/5/6 Cooling Tower (C-08) is used by the following units:
 - C-08A - Halobutyl
 - C-08B - Vistalon
 - C-08C - Maintain
 - C-08D - Plant Infrastructure
 - C-08E - Vistalon
 - C-08F - Neo Acids
 - C-08G - BRTG
 - C-08H - AWT Thermal Combustor
 - C-08J – Coproducts

Since the Halobutyl Unit (C-08A) is the major user of the C-08 all of the emissions (C-08A, C-08B, C-08C, C-08D, C-08E, C-08F, C-08G, C-08H, and C-08J) are being rolled into C-08. Emission Point Nos. C-08A, C-08B, C-08C, C-08D, C-08E, C-08F, C-08G, C-08H, and C-08J will be removed from the respect permits on the next permit modification or renewal.

- The permitted emissions for all sources have been evaluated and reconciled where necessary based on updated emission factors, calculation methodology, and emission speciation.

Estimated emissions from the Halobutyl Production Facility in tons per year are as follows:

Pollutant	Permitted	Proposed	Change
PM ₁₀	20.32	26.68	+6.36
SO ₂	0.28	0.28	-
NO _x	330.99	331.03	+0.04
CO	353.57	353.58	+0.01
VOC	375.60	380.70	+5.10

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LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Acetonitrile	-	0.36	+0.36
Bromoform	1.17	1.11	-0.06
Dichloromethane	0.20	0.06	-0.14
Methyl chloride	53.34	51.74	-1.60
Tetrachloroethylene	0.28	0.10	-0.18
Trichloroethylene	0.22	0.04	-0.18
n-Hexane	173.29	173.75	+0.46
Total VOC TAPs	228.50	227.16	-1.34
Other VOC	147.10	153.54	+6.44
 Non-VOC TAPs:			
Ammonia	0.10	0.10	-
Chlorine	0.10	0.10	-
Hydrochloric acid	0.45	0.45	-

IV. TYPE OF REVIEW

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) review does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition,

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nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana on November XX, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on November XX, 2009. The draft permit was also submitted to US EPA Region VI. XX comment was received.

VII. Effects on Ambient Air

Emissions were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. The proposed project did not require the applicant to model emissions.

Dispersion Model(s) Used: None

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates – TPY				
		SO₂	PM₁₀	NO_x	CO	VOC
Sampling Emissions	1360/month				2.6	
Deicing the Refrigeration System	15 barrels/yr				3.5	
Filter Replacement	80 changes/month				0.6	
Mechanical Activities:					4.8	0.01 ^{HCl}
Rubber/Water Slurry Tanks	8/yr					
Cleaning Operations	2750 gals/yr					
Cement Tank Inspection and Servicing	1/tank/yr				2.5	
Hexane Tank Inspection	1/tank/yr				2.8	
Hexane Tank Servicing	1/tank/yr				2.8	
Turnaround Preparation	1 /yr				2.9	
Refrigeration Turnaround Prep	1/yr				2.8	
Instrumentation and Equipment Servicing	6320 instruments/yr 55 P/V Vents/yr				0.9	0.01 ^{HCl} 0.1 ^{NH3}
Maintenance Prep:					1.0	0.1 ^{R-22}
GT-601 Gas Turbine Fuel Gas Valve	17/yr				1.02	0.1 ^{R-22}

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Work Activity	Schedule	Emission Rates – TPY				
		SO₂	PM₁₀	NO_x	CO	VOC
C-751 Compressor casing	8/yr					
Dissolving extruder	55/yr					
Gas turbine	11/yr					
Recharging Operations	130 batches/yr 10 Mix/yr				1.61	
Hexane Line Preparation	8 barges/yr				3.2	
Tank Truck and Barrel Handling	120 trucks/yr 13325 gals/yr				1.4	
Tank Strapping	7 tanks/yr				0.01	
HCl Switching and Cylinder Disposition	2/week				0.003 ^{HCl}	
Lube Oil Emissions	2600 gals/yr				2.6	
Pressure/Inventory Correction	2000 klbs/yr				0.5	
Heavy Oil Conditions/Activities	550 gals/yr				0.1	
Temporary Trailer Storage	6 trailers/yr				0.01	
Halogenation System maintenance	1/yr				0.03 ^{Cl₂} 0.24 ^{Br}	
Cylinder Purge	60 cylinders/yr	<0.01		<0.01	<0.01	<0.01 0.51 ^{HCl}
Tanks -Leg Landing Losses	8/yr				0.34	

IX. Insignificant Activities

ID No.:	Description	Physical/Operating Data	Citation
T-1303	ESBO Storage Tank	<10,000 gal, <0.5 psia	LAC 33:III.501.B.5.A.3
T-1303B	ESBO Storage Tank	<10,000 gal, <0.5 psia	LAC 33:III.501.B.5.A.3
V-125	External Gearbox Vent	<10,000 gal, <0.5 psia	LAC 33:III.501.B.5.A.3
V-126	Hydraulic Reservoir Vent	<10,000 gal, <0.5 psia	LAC 33:III.501.B.5.A.3
V-184	C-751 Lube Oil Vent	<10,000 gal, <0.5 psia	LAC 33:III.501.B.5.A.3
T-192	Gearbox Breather/Seal Oil Vents	<10,000 gal, <0.5 psia	LAC 33:III.501.B.5.A.3
V-421	Test Facility Seal Oil Drum Vent	<10,000 gal, <0.5 psia	LAC 33:III.501.B.5.A.3
V-186	Analyzer Vents		LAC 33:III.501.B.5.A.9

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Halobutyl Production Facility
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Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter																
		5'	9	11	13	15	2103	2109	2111	2115	2122	2147	2149	2153	22	51*	53	56
UNFF0012	HALOBUTYL PRODUCTION FACILITY	1	1	1	1										1	1	1	1
CON 0083	S-88 - THERMAL TREATMENT UNIT (TTU)																	
EQT 0972	C-08 - GFLA-2/5/6 COOLING TOWERS					1	1	2		1								
EQT 0973	C-09 - GFLA-8 COOLING TOWER																	
EQT 0974	M-52 - SECONDARY WASTEWATER EMISSIONS (HFU)																	
EQT 0975	M-53 - HFU EXHAUST SYSTEM																	
EQT 0976	M-57 - SECONDARY WASTEWATER EMISSIONS (RLA-1)																	
EQT 0977	M-58 - RUBBER WATER SEPARATOR (CUSEP01)									1								
EQT 0978	S-29A - GT601/B601 GAS TURBINE AND BOILER(RLA-1)									1								
EQT 0979	T-183 - D-206 VENT										2			3				
EQT 0980	T-185 - D-53 TEG STORAGE DRUM																	1
EQT 0981	T-1878 - HALOBUTYL REPROCESSING SLURRY TANK (CUTK-06)																	3
EQT 0982	T-1880 - FINES RECOVERY TANK (CUTK-01)																	1
EQT 0983	T-1987 - HEXANE STORAGE TANK (EFR)																	1
EQT 0984	T-1988 - HEXANE STORAGE TANK (IFR)																	1

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ID No.	Description	LAC 33:III.Chapter																	
		5'	9'	11'	13'	15'	2103	2109	2111	2115	2122	2147	2149	2153	22	51*	53	56	59*
EQT 0985	M-59 - OIL WATER SEPARATOR (CUSEP02)																		
EQT 0986	T-111A - C6 BLOWDOWN DRUM (D-111A)								1							3			
EQT 0987	T-1873 - RETURN WATER SURGE TANK (CQTK03)									1							1		
EQT 0988	T-1976 - RUBBER CEMENT STORAGE TANK																1		
EQT 0989	T-1977 - RUBBER CEMENT STORAGE TANK								1								1		
EQT 0990	T-1978 - RUBBER CEMENT STORAGE TANK									1							1		
EQT 0991	T-3093 - SLURRY WATER SURGE TANK (CQTK-05)										1						1		
EQT 0992	T-601 - COLD BLOWDOWN DRUM (D-601)									1						3			
EQT 0993	T-1923 - ISOPRENE STORAGE SPHERE										3						3		
FUG 0063	U-46C - DIA LOADING RACK FUGITIVE EMISSIONS (RLA-I)											1					1		
FUG 0064	U-69 - HALOBUTYL FINISHING FUGITIVE EMISSIONS (HFU)											1					3		
FUG 0065	U-92 - HALOBUTYL POLYMERIZATION FUGITIVE EMISSIONS (RLA-I)											1					1		
FUG 0066	U-95 - HALOBUTYL POLYMERIZATION TEST FACILITIES FUGITIVE EMISSIONS											1					1		
RLP 1174	V-127 - FLUID BED CONVEYOR (FBC) EXHAUST											1					1		
RLP 1175	V-131 - VIBRATING FILTER SCREEN EXHAUST VENTS (4)											1					1		
RLP 1176	V-179 - E-200 VENT SERVICING TANKS T-1976, T-1977, T-1978											1					1		

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ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III Chapter																
		5'	9'	11	13	15	103	2109	2111	2115	2122	2147	2149	2153	22	51*	53	56
RLP1177	V-180 - CENTRIFUGAL COMPRESSOR C602 WEST SEPARATION GAS VENT								1		3	3	3	3				
RLP1178	V-181 - REACTOR MOONEY SAMPLE VENT D-100								1		3	3	3	3				
RLP1179	V-182 - GT-601 SEAL OIL DEGASSIFIER VENT								1		3	3	3	3				
RLP1180	V-200A - VMD-214 DRUM VENT								1		3	3	3	3				
RLP1181	V-246 - CENTRIFUGAL COMPRESSOR C601A EAST SEPARATION GAS VENT								1		3	3	3	3				
RLP1182	V-247 - CENTRIFUGAL COMPRESSOR C601A WEST SEPARATION GAS VENT								1		3	3	3	3				
RLP1183	V-248 - CENTRIFUGAL COMPRESSOR C601B EAST SEPARATION GAS VENT								1		3	3	3	3				
RLP1184	V-249 - CENTRIFUGAL COMPRESSOR C601B WEST SEPARATION GAS VENT								1		3	3	3	3				
RLP1185	V-435 - CAUSTIC SCRUBBER								1		3	3	3	3				
RLP1186	V-44 - CENTRIFUGAL COMPRESSOR C602 EAST SEPARATION GAS VENT								1		3	3	3	3				
RLP1187	V-45 - CENTRIFUGAL COMPRESSOR C601/C602 MAIN SEAL OIL VENT								1		3	3	3	3				
RLP1188	V-46 - GAS TURBINE LUBE OIL RESERVOIR VENT								1		3	3	3	3				
RLP1189	V-47 - C-731 SEAL OIL VENT								1		3	3	3	3				
RLP1192	V-15 - TOWER T-15 OVERHEAD										3	3	3	3				

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ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III.Chapter							
		5 ¹	9	11	13	15	103	2109	2111
RLP 1195	V-39 - PROCESS GAS DRIER (D-29 A/B/C) REGENERATION VENT								2153
RLP 1196	V-48 - COMPRESSOR C-751 STRAINER VENT								2149
RLP 1197	V-72 - CATALYST POT (D-72 & D-72-A)								2147
RLP 1198	V-7A - TOWER T-7A PURGE								2122
RLP 1199	V-7B - TOWER T-7B								2115
RLP 1200	V-433 - HD-104 FLASH DRUM INERTS PURGE VENT								2111
RLP 1201	V-436 KNOCKOUT DRUM								51*
									53
									56
									59*

¹The regulations indicated above are State Only regulations.

¹LAC 33:III.501.C.6 citations are federally enforceable except when it specifically states that the regulation is State Only.

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ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

KEY TO MATRIX

- | | |
|---|---|
| 1 | - The regulations have applicable requirements that apply to this particular emission source. |
| - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements. | |
| 2 | - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date. |
| 3 | - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source. |

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR								
		A	D _b	K _b	G _b	V	III	Z	R/R	A	FF	J&V	F&G	A	H	O	C	XX	FFF	DDDD	GGGG	70
UNF0012	HALOBUTYL PRODUCTION FACILITY																					
CON 0083	S-88 - THERMAL TREATMENT UNIT (TTU)																					
EQT 0972	C-08 - GFLA-2/5/6 COOLING TOWERS																					
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EQT 0976	M-57 - SECONDARY WASTEWATER EMISSIONS (RLA-1)																					
EQT 0977	M-58 - RUBBER WATER SEPARATOR (CUSEP01)																					
EQT 0978	S-29A - GT601/B601 GAS TURBINE AND BOILER(RLA-1)																					
EQT 0979	T-183 - D-206 VENT																					
EQT 0980	T-185 - D-53 TEG STORAGE DRUM																					
EQT 0981	T-1878 - HALOBUTYL REPROCESSING SLURRY TANK (CQTK-06)																					

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHPAP						40 CFR		64	66	70
		A	D	G	V	III	NN	R	RR	A	FF	V	H	C	D	XX	F	GGGG	DDDD	FFFF	64	66	70	
EQT 0982	T-1880 - FINES RECOVERY TANK (CUTK-01)				3																			
EQT 0983	T-1987 - HEXANE STORAGE TANK (EFR)					3																		
EQT 0984	T-1988 - HEXANE STORAGE TANK (IFR)						3																	
EQT 0985	M-59 - OIL WATER SEPARATOR (CUSEP02)																							
EQT 0986	T-111A - C6 BLOWDOWN DRUM (D-111A)							3																
EQT 0987	T-1873 - RETURN WATER SURGE TANK (CQTK03)								3															
EQT 0988	T-1976 - RUBBER CEMENT STORAGE TANK									3														
EQT 0989	T-1977 - RUBBER CEMENT STORAGE TANK									3														
EQT 0990	T-1978 - RUBBER CEMENT STORAGE TANK										3													
EQT 0991	T-3093 - SLURRY WATER SURGE TANK (CQTK-05)																							
EQT 0992	T-601 - COLD BLOWDOWN DRUM (D-601)											3												
EQT 0993	T-1923 - ISOPRENE STORAGE SPHERE												3											
FUG 0063	U-46C - DILA LOADING RACK FUGITIVE EMISSIONS (RLA-1)																							1

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHPAP				40 CFR				40 CFR				
		V	G	G	III	R	R	A	EEV	E	H	A	F&G	C	O	C	XX	PPF	DDD	GGGG	64	68
FUG 0064	U-68 - HALOBUTYL FINISHING FUGITIVE EMISSIONS (HFE)																					
FUG 0065	U-92 - HALOBUTYL POLYMERIZATION FUGITIVE EMISSIONS (RLA-1)																					
FUG 0066	U-95 - HALOBUTYL POLYMERIZATION TEST FACILITIES FUGITIVE EMISSIONS																					
RLP 1174	V-127 - FLUID BED CONVEYOR (FBC) EXHAUST																					
RLP 1175	V-131 - VIBRATING FILTER SCREEN EXHAUST VENTS (4)																					
RLP 1176	V-179 - E-200 VENT SERVICING TANKS T-1976, T-1977, T-1978																					
RLP 1177	V-180 - CENTRIFUGAL COMPRESSOR C602 WEST SEPARATION GAS VENT																					
RLP 1178	V-181 - REACTOR MOONEY SAMPLE VENT D-100																					
RLP 1179	V-182 - GT-601 SEAL OIL DEGASSIFIER VENT																					
RLP 1180	V-200A - VMD-214 DRUM VENT																					
RLP 1181	V-246 - CENTRIFUGAL COMPRESSOR C601A EAST SEPARATION GAS VENT																					
RLP 1182	V-247 - CENTRIFUGAL COMPRESSOR C601A WEST SEPARATION GAS VENT																					

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR		64	66	70
		A	D	G	V	III	NN	R	RR	A	J&V	E	H	F&G	A	XX	C	FPP	DDDD	GGGG				
RLP 1183	V-248 - CENTRIFUGAL COMPRESSOR C601B EAST SEPARATION GAS VENT						3	3	3															
RLP 1184	V-249 - CENTRIFUGAL COMPRESSOR C601B WEST SEPARATION GAS VENT						3	3	3															
RLP 1185	V-435 - CAUSTIC SCRUBBER																							
RLP 1186	V-44 - CENTRIFUGAL COMPRESSOR C602 EAST SEPARATION GAS VENT						3	3	3															
RLP 1187	V-45 - CENTRIFUGAL COMPRESSOR C601/C602 MAIN SEAL OIL VENT						3	3	3															
RLP 1188	V-46 - GAS TURBINE LUBE OIL RESERVOIR VENT						3	3	3															
RLP 1189	V-47 - C-751 SEAL OIL VENT																							
RLP 1192	V-15 - TOWER T-15 OVERHEAD																							
RLP 1195	V-39 - PROCESS GAS DRIER (D-29 A/B/C) REGENERATION VENT						3	3	3															
RLP 1196	V-48 - COMPRESSOR C-751 STRAINER VENT						3	3	3															
RLP 1197	V-72 - CATALYST POT (D-72 & D-72-A)						3	3	3															
RLP 1198	V-7A - TOWER T-7A PURGE						3	3	3															
RLP 1199	V-7B - TOWER T-7B						3	3	3															

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N
RLP 1200	V-433 - HD-104 FLASH DRUM INERTS PURGE VENT					R	R	A	A	F	F	XX	XX		
RLP 1201	V-436 - KNOCKOUT DRUM					3	3	3				1		1	

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT0972 C-08 EQT0973 C-09	NESHAP for Source Categories Subpart Q - Chromium Emissions from Industrial Process Cooling Towers (IPCT)	DOES NOT APPLY. No water treatment chemicals containing chromium or chromium compounds in use at the IPCT.
EQT0973 C-09	[40 CFR Part 63.400(a)] NESHAP for Source Categories Subpart U - Heat Exchange System Provisions [40 CFR 63.502(n) and 63.104(a)(5)]	EXEMPT. The re-circulating heat exchange system is used to cool process fluids containing less than 5 weight% of organic hazardous air pollutants listed in Table 5 of Subpart U.
EQT0974 M-52 EQT0976 M-57 EQT0977 M-58 EQT0985 M-59 EQT0975 M-53	NESHAP for Source Categories Subpart U - Process Wastewater Provisions [40 CFR 63.501(a), 63.132(a)(1,3), 63.132(c), and 63.144(a)(1)] NESHAP for Source Categories Subpart U - Continuous Front-End Process Vent Provisions	CONTROL REQUIREMENTS DO NOT APPLY. This is a Group 2 Process Wastewater Stream, because the annual average concentration of organic HAPs as defined by Subpart U is less than 1000 ppmw. DOES NOT APPLY. The source does not receive any Group 1 Continuous Front-End Process Vents.
EQT0974 M-52 EQT0977 M-58 EQT0985 M-59 EQT0976 M-57	[40 CFR 63.485(a)] NESHAP Subpart FF - National Emission Standard for Benzene Waste Operations [40 CFR 61.341] NESHAP Subpart FF - National Emission Standard for Benzene Waste Operations [40 CFR 61.342(c)(2)]	DOES NOT APPLY. Does not meet the NESHAP FF definition of process wastewater. The wastewater does not come in contact with benzene during manufacturing or processing operations conducted within a process unit. EXEMPT FROM CONTROL REQUIREMENTS. The flow-weighted annual average benzene concentration of the waste stream is less than 10 ppmw. RLA-1 and HFU do not normally generate any wastes with flow-weighted annual average benzene concentrations ≥ 10 ppmw

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X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT0977 M-58 EQT0985 M-59	Control of Emission of Organic Compounds - Oil/Water Separation [LAC 33:III:2109.B.2]	EXEMPT. Any single or multiple compartment volatile organic compound water separator which separates less than 200 gallons per day of materials containing volatile organic compounds is exempt from LAC 33:III:2109.A. Per LAC 33:III:2109.D.2, records are required to verify the exemption.
EQT0985 M-59	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY	DOES NOT APPLY. This source does not emit TAPs.
EQT0978 S-29A	[LAC 33:III:5109.A] NSPS Subpart GG - Standards of Performance for Stationary Gas Turbines [40 CFR 60.330(b)] NESHAP Part 63 for Source Categories Subpart U - Group I Polymers and Resins (40CFR63.480(a)) Emission Standards for Sulfur Dioxide - Emission Limitations [LAC 33:III:1503.C.]	DOES NOT APPLY. No construction, modification, or reconstruction of the source commenced after 10/3/77. DOES NOT APPLY. This source does not control a source applicable to Subpart U.
	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III:2115.M]	EXEMPT. Source emits <250 tons per year of sulfur compounds. On 1/3/97, LDEQ approved exemptions that exclude this source from the 2,000 ppm SO2 limit. Turbine combusts only natural gas. DOES NOT APPLY. Source does not burn any streams that meet the definition of a waste gas stream. This portion of the source only burns natural gas. Source ID S-29B (Vistalon Polymer Unit (RLA-3)) burns one or more waste gas streams.

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ID No.	Requirement	Notes
CON0083 S-88	NESHAP for Source Categories Subpart U - Continuous Front-End Process Vent Provisions [40 CFR 63.485(a)] Emission Standards for Sulfur Dioxide - Emission Limitations	DOES NOT APPLY. The source does not receive any Group 1 Continuous Front-End Process Vents.
[LAC 33:III.1503.C.]	[LAC 33:III.1503.C.] NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels	EXEMPT. Source emits <250 tons per year of sulfur compounds. On 1/3/97, LDEQ approved exemptions that exclude this source from the 2,000 ppm SO ₂ limit.
EQT0986 T-111A	[40 CFR 60.111b] NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. Does not meet the definition of a storage vessel.
EQT0979 T-183	[40 CFR 60.111b] NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels	DOES NOT APPLY. No construction, reconstruction, or modification after July 23, 1984.
	[40 CFR 60.110b(a)] NESHAP for Source Categories Subpart U - Surge Control Vessel Provisions	DOES NOT APPLY. The source has a capacity less than 75 cubic meters.
	[40 CFR 63.502(a) and Tables 3 & 4 To Subpart U] NESHAP for Source Categories Subpart U - Storage Vessel Provisions	DOES NOT APPLY. The source does not meet the definition of storage vessel, since the capacity is less than 38 cubic meters (10,000 gallons).
	[40 CFR 63.482 and 60.484(a)]	

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X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT0980 T-185	NPS Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110(b)(a)] NESHAP for Source Categories Subpart U - Storage Vessel Provisions [40 CFR 63.480(c)] Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [AAC 33:III.5109.A]	DOES NOT APPLY. No construction, reconstruction, or modification of the source commenced after July 23, 1984.
EQT0987 T-1873	NPS Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110(b)(a)] NESHAP for Source Categories Subpart U - Surge Control Vessel Provisions [40 CFR 63.502(a) and Tables 3 & 4 To Subpart U] NESHAP for Source Categories Subpart U - Storage Vessel Provisions [40 CFR 63.482 and 63.484(a)]	DOES NOT APPLY. The source has a maximum true vapor pressure <0.75 psia.
EQT0991 T-3093	NPS Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110(b)(a)] NESHAP for Source Categories Subpart U - Surge Control Vessel Provisions [40 CFR 63.502(a) and Tables 3 & 4 To Subpart U] NESHAP for Source Categories Subpart U - Storage Vessel Provisions [40 CFR 63.482 and 63.484(a)]	DOES NOT APPLY. Surge control vessels are exempt from storage vessel provisions.
EQT0981 T-1878	NPS Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110(b)(a)] NESHAP for Source Categories Subpart U - Surge Control Vessel Provisions [40 CFR 63.502(a) and Tables 3 & 4 To Subpart U] NESHAP for Source Categories Subpart U - Storage Vessel Provisions [40 CFR 63.482 and 63.484(a)]	DOES NOT APPLY. Storage vessel has capacity <10,000 gallons (40 cubic meters).
		DOES NOT APPLY. The source has a capacity less than 75 cubic meters.
		DOES NOT APPLY. Surge control vessels are exempt from storage vessel provisions.
		DOES NOT APPLY. Surge control vessels are exempt from storage vessel provisions.
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X. **Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
EQT0982 T-1880	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. Storage vessel has capacity <10,000 gallons (40 cubic meters).
EQT0993 T-1923	NESHAP for Source Categories Subpart U - Storage Vessel Provisions [40 CFR 63.482 and 60.484(a)] NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. The source does not meet the definition of storage vessel, since the capacity is less than 38 cubic meters (10,000 gallons). DOES NOT APPLY. Tank is a pressure vessel that operates in excess of 29.7 psia with no emissions to the atmosphere. Tank is a pressurized sphere that has no normal VOC emissions to the atmosphere. A vent line from the sphere is routed to the flare gas recovery system.
	Control of Emission of Organic Compounds - Storage of VOC Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Tank is a pressure vessel that operates in excess of 29.7 psia with no emissions to the atmosphere. Tank is a pressurized sphere that has no normal VOC emissions to the atmosphere. A vent line from the sphere is routed to the flare gas recovery system.
	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY[LAC 33:III.5109]	This source does not emit any TAPs
EQT0988 T-1976 EQT0989 T-1977 EQT0990 T-1978	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. No construction, reconstruction, or modification of the source commenced after July 23, 1984.
EQT0983 T-1987 EQT0984 T-1988	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b(a)]	DOES NOT APPLY. No construction, reconstruction, or modification of the source commenced after July 23, 1984.

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X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
EQT0992 T-601	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.111b]	DOES NOT APPLY. Does not meet the definition of a storage vessel.
	NESHAP for Source Categories Subpart U - Storage Vessel Provisions [40 CFR 63.480(c)]	DOES NOT APPLY. Vessels storing material that contains no organic HAP or organic HAP as impurities only are excluded from the affected source.
FUG0064 U-69	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III:5109]. NESHAP for Source Categories Subpart U - Equipment Leak Provisions [40 CFR 63.161, 63.482, and 63.502(a)]	DOES NOT APPLY. This source does not contain TAPs. DOES NOT APPLY. Not in organic HAP service, since no equipment contains or contacts a fluid that is at least 5 percent total organic HAPs by weight.
RLP1192 V-15	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III:5109.A]	DOES NOT APPLY. This source does not emit TAPs.
RLP1174 V-127	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM1 Reactor Processes and Distillation Operations [LAC 33:III:2147.B] Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:III:2149.A,B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III:2115.H.1.d]	EXEMPT. The waste gas stream VOC concentration is less than 3000 ppm. Records must be kept to demonstrate exempt status.

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ID No:	Requirement	Notes
RLP1175 V-131	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115.H.1.c]	EXEMPT. The waste gas stream has a combined weight of VOC <= 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status. Each of the four vents emit less than 100 lbs per 24-hour period.
RLP1177 V-180	NSPS Subpart III - Standards of Performance for VOC Emissions from SOCMI Air Oxidation Unit Processes [40 CFR 60.611]	DOES NOT APPLY. Does not meet the definition of an air oxidation process unit.
RLP1179 V-182	NSPS Subpart NNN - SOCMI Distillation Operations [40 CFR 60.661]	DOES NOT APPLY. Does not meet the definition of a distillation operation.
RLP1181 V-246	NSPS Subpart RRR - SOCMI Reactor Processes [40 CFR 60.701]	DOES NOT APPLY. Does not meet the definition of a reactor process.
RLP1182 V-247	NESHAP for Source Categories Subpart U - Continuous Front-End Process Vent Provisions [40 CFR 63.480(c)(1)]	DOES NOT APPLY. Equipment handling material that contains no organic HAP is excluded from the affected source.
RLP1183 V-248	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115.H.1.c]	EXEMPT. The waste gas stream has a combined weight of VOC <= 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.
RLP1184 V-249	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
RLP1186 V-44	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.
RLP1187 V-45	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY [LAC 33:III.5109.A]	DOES NOT APPLY. This source does not emit TAPs.
RLP1188 V-46		

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ID No:	Requirement	Notes
RLP1178 V-18	NESHAP for Source Categories Subpart U - Continuous Front-End Process Vent Provisions [40 CFR 63.482]	DOES NOT APPLY. Not a continuous front-end process vent because it is not part of a continuous unit operation.
	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115.H.1.]	EXEMPT. The waste gas stream has a combined weight of VOC <= 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM1 Reactor Processes and Distillation Operations [LAC 33:III.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.
RLP1180 V-200A	NESHAP for Source Categories Subpart U - Continuous Front-End Process Vent Provisions [40 CFR 63.482]	DOES NOT APPLY. Not a continuous front-end process vent because it is not part of a continuous unit operation.
	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115.H.1.c]	EXEMPT. The waste gas stream has a combined weight of VOC <= 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCM1 Reactor Processes and Distillation Operations [LAC 33:III.2147.A.]	DOES NOT APPLY. Does not produce any of the SOCM1 chemicals listed in Table 8 in LAC 33:III Chapter 21 Appendix A as a final product or intermediate.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.

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X. **Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
RLP1195 V-39	NSPS Subpart III - Standards of Performance for VOC Emissions from SOCMI Air Oxidation Unit Processes [40 CFR 60.611]	DOES NOT APPLY. Does not meet the definition of an air oxidation process unit.
RLP1200 V-433	NSPS Subpart NNN - SOCMI Distillation Operations [40 CFR 60.661]	DOES NOT APPLY. Does not meet the definition of a distillation operation.
RLP1196 V-48	NSPS Subpart RRR - SOCMI Reactor Processes [40 CFR 60.661]	DOES NOT APPLY. Does not meet the definition of a reactor process.
RLP1197 V-72	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
RLP1198 V-7A	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.
RLP1199 V-7B	NESHAP for Source Categories Subpart U - Back-End Process Vent Provisions [40 CFR 63.480(c)(1)]	Equipment located within an EPPU, but does not contain organic HAPs, is not subject to the Subpart U provisions.
RLP1185 V-435	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:III.2115.H.1.c]	EXEMPT. The waste gas stream has a combined weight of VOC <= 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:III.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.

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X. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No.	Requirement	Notes
RLP1201 V-436	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:II.2115]	DOES NOT APPLY. This regulation does not apply to any waste gas stream that is required by another federal or state regulation to implement controls that reduce VOCs to a more stringent standard than would be required by this section.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:II.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:II.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.
RLP1189 V-47	Control of Emission of Organic Compounds - Waste Gas Disposal [LAC 33:II.2115.H.1.c]	EXEMPT. The waste gas stream has a combined weight of VOC <= 100 lbs in any continuous 24-hr period. Records must be kept to demonstrate exempt status.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:II.2147.B]	DOES NOT APPLY. Does not meet the definition of a reactor process or distillation operation.
	Control of Emission of Organic Compounds - Limiting VOC Emissions from Batch Processing [LAC 33:II.2149.A,B]	DOES NOT APPLY. Does not meet the definition of a batch process.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Halobutyl Production Facility
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

XI. **Table 3: EQUIPMENT LIST**

EMISSION ID	DESCRIPTION	NOTES
EQT0986 T-111A	C6 BLOWDOWN DRUM (D-111A)	Vapors are routed to the BRCP Flare System
EQT0992 T-601	COLD BLOWDOWN DRUM (D-601)	Vapors are routed to the BRCP Flare System
EQT0988 T-1976	RUBBER CEMENT STORAGE TANK	This surge control vessel is controlled by E-200 refrigerated condenser (EIQ# V-179 in this permit).
EQT0989 T-1977	RUBBER CEMENT STORAGE TANK	This surge control vessel is controlled by E-200 refrigerated condenser (EIQ# V-179 in this permit).
EQT0990 T-1978	RUBBER CEMENT STORAGE TANK	This surge control vessel is controlled by E-200 refrigerated condenser (EIQ# V-179 in this permit).
EQT0987 T-1873	RETURN WATER SURGE TANK	Thermal Treatment unit (EIQ# S-88 in this permit).
EQT0991 T-3093	SLURRY WATER SURGE TANK	Thermal Treatment unit (EIQ# S-88 in this permit).
EQT0993 T-1923	T-1923 - ISOPRENE STORAGE SPHERE	Flare Gas Recovery System
RLP1192 V-15	TOWER T-15 OVERHEAD	Vent stream is normally routed to flare(s) for combustion. The stream can also be routed to the Flare
RLP1195 V-39	PROCESS GAS DRIER (D-39 A/B/C)	Gas Recovery System for use as primary fuel in site boilers and process heaters
	REGENERATION VENT	Vent stream is normally routed to flare(s) for combustion. The stream can also be routed to the Flare
RLP1200 V-433	HD-104 FLASH DRUM INERTS PURGE VENT	Gas Recovery System for use as primary fuel in site boilers and process heaters
RLP1196 V-48	COMPRESSOR C-751 STRAINER VENT	Vent stream is normally routed to flare(s) for combustion. The stream can also be routed to the Flare
RLP1197 V-72	CATALYST POT (D-72 AND D-72-A)	Gas Recovery System for use as primary fuel in site boilers and process heaters
RLP1198 V-7A	TOWER T-7A PURGE	Vent stream is normally routed to flare(s) for combustion. The stream can also be routed to the Flare
RLP1199 V-7B	TOWER T-7B	Gas Recovery System for use as primary fuel in site boilers and process heaters
RLP1201 V-436	KNOCKOUT DRUM	Vent stream is normally routed to flare(s) for combustion. The stream can also be routed to the Flare
		Gas Recovery System for use as primary fuel in site boilers and process heaters

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A: PART 70 SPECIFIC CONDITIONS

Halobutyl Production Facility
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.
 - a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
 - b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
 - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods January 1 through June 30, and July 1, through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
U-46C	40 CFR 63 Subpart H-HON	5% VOHAP	40 CFR 63 Subpart H-HON
U-92	LA Non-HON MACT	5% VOTAP	
U-95	LAC 33:III.2122	10% VOC	
U-69			

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE ONLY SPECIFIC CONDITIONS**

**Halobutyl Production Facility
Agency Interest No. 286
Baton Rouge Chemical Plant
ExxonMobil Chemical Company
Baton Rouge, East Baton Rouge Parish, Louisiana**

The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the Department by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:

- a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emissions components themselves;
- b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
- d. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
- e. The components are promptly incorporated into any applicable leak detection and repair program.

PCL XL error

Warning: IllegalMediaSource

INVENTORIES

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
 Activity Number: PER20090002
 Permit Number: 2166-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
HALOBUTYL PRODUCTION FACILITY						
CON 0083	S-88 - THERMAL TREATMENT UNIT (TTU)			32 MM BTU/hr		8760 hr/yr
EQT 0972	C-08 - GFLA-25/6 COOLING TOWERS			65000 gallons/min		8760 hr/yr
EQT 0973	C-09 - GFLA-8 COOLING TOWER			56000 gallons/min		8760 hr/yr
EQT 0974	M-52 - SECONDARY WASTEWATER EMISSIONS (HFU)					8760 hr/yr
EQT 0975	M-53 - HFU EXHAUST SYSTEM					8760 hr/yr
EQT 0976	M-57 - SECONDARY WASTEWATER EMISSIONS (RLA-1)		400 gallons/min	100 gallons/min		8760 hr/yr
EQT 0977	M-58 - RUBBER WATER SEPARATOR (CUSEP01)		300000 lb/hr	150000 lb/hr		8760 hr/yr
EQT 0978	S-29A - GT601B601 GAS TURBINE AND BOILER(RLA-1)		605 MM BTU/hr			8760 hr/yr
EQT 0979	T-183 - D-206 VENT		1786 gallons			8760 hr/yr
EQT 0980	T-185 - D-53 TEG STORAGE DRUM		11280 gallons			8760 hr/yr
EQT 0981	T-1878 - HALOBUTYL REPROCESSING SLURRY TANK (CQTK-06)		2850 gallons			8760 hr/yr
EQT 0982	T-1880 - FINES RECOVERY TANK (CUTK-01)		1270 gallons			8760 hr/yr
EQT 0983	T-1987 - HEXANE STORAGE TANK (EFR)		1.21 million gallons			8760 hr/yr
EQT 0984	T-1988 - HEXANE STORAGE TANK (EFR)		1.02 million gallons			8760 hr/yr
EQT 0985	M-59 - OIL WATER SEPARATOR (CUSEP02)					8760 hr/yr
EQT 0986	T-111A - C6 BLOWDOWN DRUM (D-111A)		25791 gallons			8760 hr/yr
EQT 0987	T-1873 - RETURN WATER SURGE TANK (CQTK03)		36250 gallons			8760 hr/yr
EQT 0988	T-1976 - RUBBER CEMENT STORAGE TANK		176350 gallons			8760 hr/yr
EQT 0989	T-1977 - RUBBER CEMENT STORAGE TANK		176250 gallons			8760 hr/yr
EQT 0990	T-1978 - RUBBER CEMENT STORAGE TANK		176250 gallons			8760 hr/yr
EQT 0991	T-3093 - SLURRY WATER SURGE TANK (CQTK-05)		19200 gallons			8760 hr/yr
EQT 0992	T-601 - COLD BLOWDOWN DRUM (D-601)		19848 gallons			8760 hr/yr
EQT 0993	T-1923 - ISOPRENE STORAGE SPHERE		215000 gallons			8760 hr/yr
FUG 0063	U-46C - DIA LOADING RACK FUGITIVE EMISSIONS (RLA-1)					8760 hr/yr
FUG 0064	U-69 - HALOBUTYL FINISHING FUGITIVE EMISSIONS(HFU)					8760 hr/yr
FUG 0065	U-92 - HALOBUTYL POLYMERIZATION FUGITIVE EMISSIONS (RLA-1)					8760 hr/yr
FUG 0066	U-95 - HALOBUTYL POLYMERIZATION TEST FACILITIES FUGITIVE EMISSIONS					8760 hr/yr
RLP 1174	V-127 - FLUID BED CONVEYOR (FBC) EXHAUST					8760 hr/yr
RLP 1175	V-131 - VIBRATING FILTER SCREEN EXHAUST VENTS (4)					8760 hr/yr
RLP 1176	V-179 - E-200 VENT SERVICING TANKS T-1976, T-1977, T-1978					8760 hr/yr
RLP 1177	V-180 - CENTRIFUGAL COMPRESSOR C602 WEST SEPARATION GAS VENT					8760 hr/yr
RLP 1178	V-181 - REACTOR MOONEY SAMPLE VENT D-100					8760 hr/yr

INVENTORIES

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
HALOBUTYL PRODUCTION FACILITY						
RLP 1179	V-182 - GT-601 SEAL OIL DEGASSIFIER VENT					8760 hr/yr
RLP 1180	V-200A - VMD-214 DRUM VENT					8760 hr/yr
RLP 1181	V-246 - CENTRIFUGAL COMPRESSOR C601A EAST					8760 hr/yr
	SEPARATION GAS VENT					8760 hr/yr
RLP 1182	V-247 - CENTRIFUGAL COMPRESSOR C601A WEST					8760 hr/yr
	SEPARATION GAS VENT					8760 hr/yr
RLP 1183	V-248 - CENTRIFUGAL COMPRESSOR C601B EAST					8760 hr/yr
	SEPARATION GAS VENT					8760 hr/yr
RLP 1184	V-249 - CENTRIFUGAL COMPRESSOR C601B WEST					8760 hr/yr
	SEPARATION GAS VENT					8760 hr/yr
RLP 1185	V-435 - CAUSTIC SCRUBBER					8760 hr/yr
RLP 1186	V-44 - CENTRIFUGAL COMPRESSOR C602 EAST					8760 hr/yr
	SEPARATION GAS VENT					8760 hr/yr
RLP 1187	V-45 - CENTRIFUGAL COMPRESSOR C602 MAIN					8760 hr/yr
	SEAL OIL VENT					8760 hr/yr
RLP 1188	V-46 - GAS TURBINE LUBE OIL RESERVOIR VENT					8760 hr/yr
RLP 1189	V-47 - C-751 SEAL OIL VENT					8760 hr/yr
RLP 1192	V-15 - TOWER T-15 OVERHEAD					(None Specified)
RLP 1195	V-39 - PROCESS GAS DRYER (D-29 A/B/C)					(None Specified)
	REGENERATION VENT					(None Specified)
RLP 1196	V-48 - COMPRESSOR C-751 STRAINER VENT					(None Specified)
RLP 1197	V-72 - CATALYST POT (D-72 & D-72-A)					(None Specified)
RLP 1198	V-7A - TOWER T-7A PURGE					(None Specified)
RLP 1199	V-7B - TOWER T-7B					(None Specified)
RLP 1200	V-433 - HD-104 FLASH DRUM INERTS PURGE VENT					(None Specified)
RLP 1201	V-436 - KNOCKOUT DRUM					(None Specified)
RLP 1209	V-421 - TEST FACILITY SEAL OIL DRUM VENT					(None Specified)
Stack Information:						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
HALOBUTYL PRODUCTION FACILITY						
CON 0083	S-98 - THERMAL TREATMENT UNIT (TTU)	72.15	30600	3	80	200
EQT 0972	C-08 - GFLA-2/5/6 COOLING TOWERS			78	57	55
EQT 0973	C-09 - GFLA-8 COOLING TOWER			25		
EQT 0975	M-53 - HFU EXHAUST SYSTEM	57	3		100	163
EQT 0977	M-58 - RUBBER WATER SEPARATOR (CUSEP01)	74.07	25000	5.63	96.75	120
EQT 0978	S-29A - GT601/B601 GAS TURBINE AND BOILER(RLA-1)	71	223500	10	75	270
EQT 0979	T-183 - D-206 VENT			.67	20	100

INVENTORIES

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
HALOBUTYL PRODUCTION FACILITY							
EQT 0980 T-185 - D-53 TEG STORAGE DRUM		.01	.02	.25		20	72
EQT 0981 T-1878 - HALOBUTYL REPROCESSING SLURRY TANK (CQTK-06)						30	
EQT 0980 - FINES RECOVERY TANK (CUTK-01)						2	
EQT 0983 T-1987 - HEXANE STORAGE TANK (EFR)				.70		42	
EQT 0984 T-1988 - HEXANE STORAGE TANK (IFR)				.60		48	
RLP 1175 V-131 - VIBRATING FILTER SCREEN EXHAUST VENTS (4)		63.76	130000	2.08		120	
RLP 1176 V-179 - E-200 VENT SERVICING TANKS T-1976, T-1977, T-1978		3.15	66.7	.67		60	40
RLP 1177 V-180 - CENTRIFUGAL COMPRESSOR C602 WEST SEPARATION GAS VENT		3	.97	.08		40	72
RLP 1178 V-181 - REACTOR MOONEY SAMPLE VENT D-100				1		35	150
RLP 1179 V-182 - GT-601 SEAL OIL DEGASSIFIER VENT		.16	.03	.06		40	72
RLP 1181 V-246 - CENTRIFUGAL COMPRESSOR C601A EAST SEPARATION GAS VENT		1.3	.42	.08		40	72
RLP 1182 V-247 - CENTRIFUGAL COMPRESSOR C601A WEST SEPARATION GAS VENT		2.7	.87	.08		40	72
RLP 1183 V-248 - CENTRIFUGAL COMPRESSOR C601B EAST SEPARATION GAS VENT		5.8	1.9	.08		40	72
RLP 1184 V-249 - CENTRIFUGAL COMPRESSOR C601B WEST SEPARATION GAS VENT		.6	.2	.08		40	72
RLP 1186 V-44 - CENTRIFUGAL COMPRESSOR C602 EAST SEPARATION GAS VENT		1.2	.4	.08		40	72
RLP 1187 V-45 - CENTRIFUGAL COMPRESSOR C601/C602 MAIN SEAL OIL VENT		.01	.03	.25		60	70
RLP 1188 V-46 - GAS TURBINE LUBE OIL RESERVOIR VENT		6.7	78.9	.5		50	75
RLP 1189 V-47 - C-751 SEAL OIL VENT		.01	.03	.33		30	70

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description	Member of Groups
CRG 0005	Common Requirements Group	FUGITIVES - RLA-1 FUGITIVE EMISSIONS	CRG0000000005
UNF 0012	Unit or Facility Wide	EXXONMOBIL-BRCP - HALOBUTYL PRODUCTION FACILITY	CRG0000000005

Group Membership:

ID	Description	Member of Groups
FUG 0063	U-46C - DILA LOADING RACK FUGITIVE EMISSIONS (RLA-1)	CRG0000000005
FUG 0065	U-92 - HALOBUTYL POLYMERIZATION FUGITIVE EMISSIONS (RLA-1)	CRG0000000005
FUG 0066	U-95 - HALOBUTYL POLYMERIZATION TEST FACILITIES FUGITIVE EMISSIONS	CRG0000000005

INVENTORIES

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
 Activity Number: PER20090002
 Permit Number: 2166-V2
 Air - Title V Regular Permit Renewal

Group Membership:

ID	Description	Member of Groups
[REDACTED]		

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0580	0580 Rubber Manufacture (Rated Capacity)	345.6	MIM lbs/yr

SIC Codes:

2822	Synthetic rubber	UNF 012	[REDACTED]
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090002

Permit Number: 2166-V2

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
HALOBUTYL PRODUCTION FACILITY															
CON 0083 S-48	2.65	2.65	11.61	2.61	2.61	11.44	0.02	0.10	0.10	0.02	0.10	0.10	14.59	36.11	63.92
EOT 0972 C-08							2.11	9.26					2.73		11.96
EOT 0973 C-09							0.18	0.80					0.24		1.03
EOT 0974 M-52													1.29		5.64
EOT 0975 M-53													11.44	1147.25	50.10
EOT 0976 M-57													0.26		1.13
EOT 0977 M-58													0.20		0.85
EOT 0978 S-29A	78.08	206.00	341.97	72.97	107.00	319.59	3.77	4.50	16.52	0.04	109.00	0.18	2.12	3.30	9.29
EOT 0979 I-163													0.11		0.47
EOT 0980 I-165													<0.01		0.01
EOT 0981 I-167&8													0.23		1.03
EOT 0982 I-1860													0.17		0.76
EOT 0983 I-1987													0.91		4.00
EOT 0984 I-1988													0.38		1.67
FUG 0063 U-46C													0.10		0.44
FUG 0064 U-49													0.68		3.00
FUG 0065 U-92													19.86		87.00
FUG 0066 U-95													0.23		1.01
RLP 1174 V-127													11.05	38.98	46.38
RLP 1175 V-131													5.14	6.44	22.50
RLP 1176 V-179													1.95	298.00	8.54
RLP 1177 V-180													1.58	1.58	6.94
RLP 1178 V-181													1.68	6.70	7.34

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090002

Permit Number: 2166-V2

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
HALOBUTYL PRODUCTION FACILITY															
RLP 1179 v.182													0.18	0.18	0.80
RLP 1180 v.200A													0.31	60.10	1.35
RLP 1181 v.246													0.66	0.66	2.89
RLP 1182 v.247													1.41	1.41	6.17
RLP 1183 v.248													3.08	3.08	13.49
RLP 1184 v.249													0.33	0.33	1.44
RLP 1186 v.44													0.62	0.62	2.73
RLP 1187 v.45													0.07	0.10	0.30
RLP 1188 v.46													3.31	3.31	14.51
RLP 1189 v.47													<0.01	0.10	0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090002

Permit Number: 2166-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
CON 0083 S-88	Bromoform	0.11	0.10	0.47
	Dichloromethane	0.01	0.10	0.03
	Hydrochloric acid	0.05	1.00	0.20
	Tetrachloroethylene	<0.01	0.10	0.01
	Trichloroethylene	<0.01	0.10	0.01
	n-Hexane	11.45	27.4	50.13
EQT 0972 C-08	Acetonitrile	0.08		0.36
	Methyl chloride	0.38		1.65
	n-Hexane	0.24		1.04
EQT 0973 C-09	n-Hexane	0.18		0.77
EQT 0974 M-52	n-Hexane	0.97		4.23
EQT 0975 M-53	Bromoform	0.11	0.11	0.47
	Methyl chloride	0.01	0.10	0.03
	Tetrachloroethylene	<0.01	0.10	0.01
	Trichloroethylene	<0.01	0.10	0.01
	n-Hexane	9.15	917.80	40.08
EQT 0976 M-57	Methyl chloride	0.07		0.28
	n-Hexane	0.06		0.27
EQT 0977 M-58	n-Hexane	0.16		0.68
EQT 0978 S-29A	Hydrochloric acid	<0.01	0.10	0.01
EQT 0979 T-163	n-Hexane	0.09		0.40
EQT 0981 T-1878	n-Hexane	0.19		0.82
EQT 0982 T-1880	n-Hexane	0.14		0.61
EQT 0983 T-1987	Methyl chloride	0.18		0.80
	n-Hexane	0.45		1.98
EQT 0984 T-1988	Methyl chloride	0.08		0.33
	n-Hexane	0.19		0.82
FUG 0063 U-46C	Methyl chloride	0.09		0.40
FUG 0065 U-92	Ammonia	0.02		0.10
	Chlorine	0.02		0.10
	Hydrochloric acid	0.02		0.10
	Methyl chloride	8.92		39.08
	n-Hexane	2.19		9.58

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant

Activity Number: PER20090002

Permit Number: 2166-V2

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0066 U-95	Hydrochloric acid	0.02		0.07
	Methyl chloride	0.19		0.83
	n-Hexane	0.03		0.12
RLP 1174 V-127	Bromoform	0.04	0.10	0.17
	Tetrachloroethylene	0.02	0.10	0.08
	Trichloroethylene	<0.01	0.10	0.02
	n-Hexane	7.73	27.28	33.87
RLP 1175 V-131	n-Hexane	3.85	4.83	16.87
RLP 1176 V-179	Methyl chloride	1.07	141.43	4.68
	n-Hexane	1.56	206.40	6.83
RLP 1178 V-181	Methyl chloride	0.84	3.36	3.68
	n-Hexane	0.81	3.24	3.55
RLP 1180 V-200A	n-Hexane	0.26	48.10	1.10
RLP 1185 V-435	Hydrochloric acid	0.02	2.75	0.07
RLP 1189 V-47	Methyl chloride	<0.01	0.10	0.01
UNF 0012 EXXONMOBIL-BRCP	Acetonitrile			0.36
	Ammonia			0.10
	Bromoform			1.11
	Chlorine			0.10
	Dichloromethane			0.06
	Hydrochloric acid			0.45
	Methyl chloride			51.33
	Tetrachloroethylene			0.10
	Trichloroethylene			0.04
	n-Hexane			173.95

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

CON 0083 S-88 - THERMAL TREATMENT UNIT (TTU)

- 1 [40 CFR 63.494(a)(4)]
 2 [40 CFR 64.9(a)]

There are no back-end process operation residual organic HAP limitations for Halobutyl/Butyl Rubber. [40 CFR 63.494(a)(4)]
 Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iiii), as applicable. [40 CFR 64.9(a)]

Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years.

- 3 [40 CFR 64.9(b)(1)]
 4 [40 CFR 64.9(b)(1)]
 5 [40 CFR 64.9(b)(1)]

Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
 [40 CFR 64.9(b)(1)]

Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years.
 [40 CFR 64.9(b)(1)]

Temperature >=1600 F continuously monitored.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
 Class II TAPs are less than MER & Class III TAP. MACT is not required.

EQT 0972 C-08 - GFLA-2/5/6 COOLING TOWERS

- 11 [40 CFR 63.104(b)]

Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more specified HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F.
 [40 CFR 63.104(b)]

- 12 [40 CFR 63.104(c)(3)]

Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****EQT 0972 C-08 - GFLA-2/5/6 COOLING TOWERS**

13 [40 CFR 63.104(c)]

Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]

Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]

14 [40 CFR 63.104(f)]

15 [40 CFR 63.104(f)]

16 [40 CFR 63.1086(b)]

Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

HAP monitored by the regulation's specified method(s) monthly for 6 months, both initially and following completion of a leak repair. Monitor cooling water at the entrance and exit of each heat exchanger for the HAP listed in 40 CFR 63 Subpart XX Table 1 or other representative substances that indicate the presence of a leak using any method listed in 40 CFR part 136 or the methods specified in 40 CFR 63.1086(d). Then, if no leaks are detected by monitoring monthly for a 6 month period, monitor quarterly thereafter until a leak is detected. If a leak is detected, monitor monthly until the leak has been repaired. Upon completion of repair, monitor according to the specifications in 40 CFR 63.1086(b)(1)(i). Subpart XX. [40 CFR 63.1086(b)]

Which Months: All Year Statistical Basis: None specified

Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling waters.

Ensure that the plan requires monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.1086(c)(1)(i) through (c)(1)(iv). Subpart XX. [40 CFR 63.1086(c)(1)]

Revise the monitoring plan and document the basis for the changes, if a leak is identified by audio, visual, or olfactory inspection, a method listed in 40 CFR part 136, or any other means other than those described in the monitoring plan, and the method(s) specified in the plan could not detect the leak. Complete the revisions to the plan no later than 180 days after discovery of the leak. Subpart XX. [40 CFR 63.1086(c)(2)]

Maintain, at all times, the monitoring plan that is currently in use. Maintain the plan on-site, or make accessible from a central location by computer or other means that provide access within 2 hours after a request. If the monitoring plan is changed, retain the most recent superseded plan for at least 5 years from the date of its creation. Retain the superseded plan on-site or accessible from a central location by computer or other means that provide access within 2 hours after a request. Subpart XX. [40 CFR 63.1086(c)(3)]

Repair leaks as soon as practical but not later than 45 calendar days after receiving the results of monitoring tests that indicated a leak. Repair leaks unless it can be demonstrated that the results are due to a condition other than a leak. Subpart XX. [40 CFR 63.1087(a)]

Once a leak has been repaired, use the monitoring requirements in 40 CFR 63.1086 within 7 calendar days of the repair or startup, whichever is later, to confirm that the heat exchange system has been repaired. Subpart XX. [40 CFR 63.1087(b)]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.1089(a) through (e), according to the requirements of 40 CFR 63.1109(c). Subpart XX.

Report any delay of repair in the semianual report required by 40 CFR 63.1110(e). If the leak remains unrepaired, continue to report the delay of repair in semianual reports until the leak is repaired. Include the information in 40 CFR 63.1090(a) through (c) in the semianual report.

Subpart XX.

SPECIFIC REQUIREMENTS

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 Activity Number: PER20090002
 Permit Number: 2166-V2
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EQT 0972 C-08 - GFLA-2/516 COOLING TOWERS

24 [40 CFR 63.2490]

Monitor the cooling water for the presence of process leaks into the system by monitoring for representative substances OR by monitoring using a surrogate indicator. Monitor pollutants monthly for the fist six months and quarterly thereafter to detect leaks. Detected leaks must be repaired within 45 days after receiving the monitoring test results. Confirm the repair is successful within 7 days of the repair or startup, whichever is later. Repair may be delayed per 63.104(e). Exchangers in the DILA unit utilizing this cooling tower are subject to MON MACT, 40 CFR 63 Subpart FFFF and 40 CFR 63.104

25 [40 CFR 63.2490]

Keep records of decisions to delay repair of leaks, including reasons repair was delayed and a schedule for completing the repair. Exchangers in the CPLA unit utilizing this cooling tower are subject to MON MACT, 40 CFR 63 Subpart FFFF and 40 CFR 63.104

26 [40 CFR 63.2490]

Keep records of monitoring data which indicate the date a leak was detected, any basis for determination of a non-leak, dates of efforts to repair leaks, methods to confirm repair of leaks, and date repair of leak was confirmed. Exchangers in the DILA unit utilizing this cooling tower are subject to MON MACT, 40 CFR 63 Subpart FFFF and 40 CFR 63.104

27 [40 CFR 63.2490]

This recirculating heat exchange system is used to cool process equipment in an miscellaneous chemical processing unit. Comply with the requirements of 63.2490 to detect and repair leaks of process fluids in the cooling water. Exchangers in the DILA unit utilizing this cooling tower are subject to MON MACT, 40 CFR 63 Subpart FFFF and 40 CFR 63.104

28 [40 CFR 63.2490]

Report delay of repair semiannually in periodic reports. Exchangers in the CPLA unit utilizing this cooling tower are subject to MON MACT, 40 CFR 63 Subpart FFFF and 40 CFR 63.104

29 [40 CFR 63.2490]

Prepare and keep a monitoring plan that documents the procedures used to detect process leaks into the cooling water system. This monitoring plan explains how the monitored parameter will reliably indicate the presence of a leak, and the parameter level or condition that constitutes a leak. Exchangers in the DILA unit utilizing this cooling tower are subject to MON MACT, 40 CFR 63 Subpart FFFF and 40 CFR 63.104

30 [40 CFR 63.502(n)]

Comply with the requirements of 40 CFR 63.104, except as specified in 40 CFR 63.502(n)(1) through (n)(6). Subpart U. [40 CFR 63.502(n)] Complying with the requirements of 40 CFR 63.104 (except as noted in 40 CFR 63.502(n)) to detect leaks of process fluids in the cooling water is determined as MACT.

EQT 0973 C-09 - GFLA-8 COOLING TOWER

32 [LAC 33:III.5109.A]

Class III TAP. MACT is not required.

EQT 0974 M-52 - SECONDARY WASTEWATER EMISSIONS (HFU)

33 [40 CFR 63.132(a)(1)]

Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****EQT 0974 M-52 - SECONDARY WASTEWATER EMISSIONS (HFU)**

34 [40 CFR 63.132(c)]

Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream Subpart G. [40 CFR 63.132(c)] Determine annual average concentration for each Table 8 compound according to the procedures specified in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures specified in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 8 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream. Subpart G. [40 CFR 63.132(d)]

36 [40 CFR 63.132(f)]

Do not discard liquid or solid organic materials with a concentration of greater than 10,000 ppm of Table 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of 40 CFR 63.144(b)) from a chemical manufacturing process unit to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream.

37 [40 CFR 63.147] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G.

38 [40 CFR 63.501(a)] Comply with the requirements of 40 CFR 63.132 through 63.148, except as specified in 40 CFR 63.501(a)(1) through (a)(23) and (c). Subpart U. [40 CFR 63.501(a)]

39 [LAC 33:III.5109.A] Class III TAP. MACT is not required.

EQT 0975 M-53 - HFU EXHAUST SYSTEM

40 [40 CFR 63.494(a)(4)]

There are no back-end process operation residual organic HAP limitations for Halobutyl/Butyl Rubber. [40 CFR 63.494(a)(4)] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

42 [LAC 33:III.5109.A]

Class II TAPs are less than MER & Class III TAP. MACT is not required.

EQT 0976 M-57 - SECONDARY WASTEWATER EMISSIONS (RLA-1)

43 [40 CFR 63.132(a)(1)]

Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)] Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream Subpart G. [40 CFR 63.132(c)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2168-V2
Air - Title V Regular Permit Renewal

EQT 0976 M-57 - SECONDARY WASTEWATER EMISSIONS (RLA-1)

45 [40 CFR 63.132(d)]

Determine annual average concentration for each Table 8 compound according to the procedures specified in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures specified in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 8 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream. Subpart G. [40 CFR 63.132(d)]

46 [40 CFR 63.132(h)]

Do not discard liquid or solid organic materials with a concentration of greater than 10,000 ppm of Table 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of 40 CFR 63.144(b)) from a chemical manufacturing process unit to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. Subpart G. [40 CFR 63.132(f)]

47 [40 CFR 63.147]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G.

48 [40 CFR 63.501(a)]

Comply with the requirements of 40 CFR 63.132 through 63.148, except as specified in 40 CFR 63.501(a)(1) through (a)(23) and (c). Subpart U. [40 CFR 63.50 (a)]

49 [LAC 33.III.5109.A]

No control is MACT based on low flow rates and low concentrations of HAPs.

EQT 0977 M-58 - RUBBER WATER SEPARATOR (CUSEP01)

50 [LAC 33.III.2109.B]

51 [LAC 33.III.2109.D.2]

52 [LAC 33.III.5109.A]

Class III TAP MACT is not required

EQT 0978 S-29A - GT601/B601 GAS TURBINE AND BOILER(RLA-1)

53 [LAC 33.III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
 For boiler Nitrogen oxides <= 0.10 lb/MMBTU.

Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 For turbine Nitrogen oxides <= 0.16 lb/MMBTU.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers.
 Which Months: May-Sep Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****EQT 0978 S-29A - GT601/B601 GAS TURBINE AND BOILER(RLA-1)**

58 [LAC 33:III.2201.H.1.b.ii] Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor.
 Which Months: May-Sep Statistical Basis: None specified
 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NO_x limits of LAC 33:III.2201.D or E.

60 [LAC 33:III.2201.I.1] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.H and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
 No control is MACT based on low flow rates and low concentrations of HAPs.

EQT 0979 T-183 - D-206 VENT

64 [LAC 33:III.5109.A] Class III TAP. MACT is not required.

EQT 0981 T-1878 - HALOBUTYL REPROCESSING SLURRY TANK (CQTK-06)

65 [LAC 33:III.5109.A] Class III TAP. MACT is not required.

EQT 0982 T-1880 - FINES RECOVERY TANK (CUTK-01)

66 [LAC 33:III.5109.A] Class III TAP. MACT is not required.

EQT 0983 T-1987 - HEXANE STORAGE TANK (EFR)

67 [40 CFR 63.119(a)(1)] Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
 External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xi). Subpart G. [40 CFR 63.119(c)(2)]
 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
 Activity Number: PER20090002
 Permit Number: 2166-V2
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EQT 0983 T-1987 - HEXANE STORAGE TANK (EFT)

- 70 [40 CFR 63.120(b)(10)(i)] If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]
- 71 [40 CFR 63.120(b)(10)] Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]
- 72 [40 CFR 63.120(b)(10)] Tank roof and seals monitored by visual inspection/determination upon each occurrence of the vessel being emptied and degassed. Subpart G. [40 CFR 63.120(b)(10)]
- 73 [40 CFR 63.120(b)(1)] Which Months: All Year Statistical Basis: None specified Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) through (b)(1)(iv). Subpart G. [40 CFR 63.120(b)(1)]
- 74 [40 CFR 63.120(b)(2)] Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]
- 75 [40 CFR 63.120(b)(3)] Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed $21.2 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]
- 76 [40 CFR 63.120(b)(4)] Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed $21.2 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]
- 77 [40 CFR 63.120(b)(5)(i)] Primary seal: Where a metallic shoe is in use, one end of the metallic shoe shall extend into the stored liquid and the other end shall extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart G. [40 CFR 63.120(b)(5)(i)]
- 78 [40 CFR 63.120(b)(5)(ii)] Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]
- 79 [40 CFR 63.120(b)(6)(i)] Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]
- 80 [40 CFR 63.120(b)(6)(ii)] Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(1) and (b)(2)] or to inspect the vessel to
- 81 [40 CFR 63.120(b)(7)] If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]
- 82 [40 CFR 63.120(b)(8)] Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after determining that 63.120(b)(8)]

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****EQT 0983 T-1987 - HEXANE STORAGE TANK (EFR)**

- 83 [40 CFR 63.120(b)(9)]
Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
- 84 [40 CFR 63.122(a)(1)]
Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
- 85 [40 CFR 63.122(a)(4)]
Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 86 [40 CFR 63.122(a)(5)]
Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 87 [40 CFR 63.123]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
- 88 [40 CFR 63.484(a)]
Comply with the requirements of 40 CFR 63.119 through 63.123, with the differences noted in 40 CFR 63.484(b) through (s). Subpart U. [40 CFR 63.484(a)]
- 89 [40 CFR 63.506(e)(7)(i)]
Submit notifications of inspections required by 40 CFR 63.484, as specified in 40 CFR 63.122(h)(1) and (h)(2). Subpart U. [40 CFR 63.506(e)(7)(i)]
- 90 [LAC 33:III.2|03.B]
Equip with a submerged fill pipe.
- 91 [LAC 33:III.2|03.D.3]
Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 92 [LAC 33:III.2|03.D.4.a]
Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover.
- 93 [LAC 33:III.2|03.D.4.a]
Submit notification: Due to the Office of Environmental Assessment prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval.
- 94 [LAC 33:III.2|03.D.4.d]
Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2|03.D.4. Complete repairs within three months of the ordering of the repair parts.
- 95 [LAC 33:III.2|03.D.4.d]
Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2|03.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets.
- Which Months: All Year Statistical Basis: None specified
- 96 [LAC 33:III.2|03.D]
Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2|03.C.1.a and b.
- Determine compliance with LAC 33:III.2|03.D.2 and 4 using the methods in LAC 33:III.2|03.H.1.
- 97 [LAC 33:III.2|03.H.1]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|03.I.1 - 7, as applicable.
- 98 [LAC 33:III.2|03.I]
Class III TAP MACT is not required.
- 99 [LAC 33:III.5|09.A]

EQT 0984 T-1988 - HEXANE STORAGE TANK (IFR)

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

EQT 0984 T-1988 - HEXANE STORAGE TANK (IFR)

- 100 [40 CFR 63.119(a)(1)] Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, a closed-vent system and control device, routing the emissions to a process or a fuel gas system, or vapor balancing in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e), (f), or (g) or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- Internal floating roof: Equip each internal floating roof with a closure device between the wall of the storage vessel and the roof edge. Closure device shall consist of one of the devices listed in 40 CFR 63.119(b)(3)(i) through (b)(3)(iii), except as specified in 40 CFR 63.119(b)(3)(iv). Subpart G. [40 CFR 63.119(b)(3)]
- Internal floating roof: Ensure that automatic bleeder vents are closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Subpart G. [40 CFR 63.119(b)(4)]
- Internal floating roof: Ensure that each internal floating roof meets the specifications listed in 40 CFR 63.119(b)(5)(i) through (b)(5)(vii), except as provided in 40 CFR 63.119(b)(5)(viii). Subpart G. [40 CFR 63.119(b)(5)]
- Internal floating roof: Ensure that each cover or lid on any opening in the internal floating roof is closed except when the cover or lid must be open for access. Ensure that covers on each access hatch and each gauge float well are bolted or fastened so as to be air-tight when they are closed. Rim space vents are to be set to open only when the internal floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart G. [40 CFR 63.119(b)(6)]
- Internal floating roof: Ensure that the internal floating roof is floating on the surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(b)(1)(i) through (b)(1)(iii). When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(b)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) according to the schedule specified in 40 CFR 63.120(a)(2) and (a)(3). Subpart G. [40 CFR 63.120(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- Repair storage vessel or empty and remove from service within 45 calendar days, if during the inspections required by 40 CFR 63.120(a)(2)(i) or (a)(3)(ii), any of the conditions specified in 40 CFR 63.120(a)(4) are found. Subpart G. [40 CFR 63.120(a)(4)]
- If any of the conditions listed in 40 CFR 63.120(a)(7) are found during the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(iii), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(a)(7)]
- Submit Notification: Due in writing at least 30 calendar days prior to the refilling of each storage vessel to afford DEQ the opportunity to have an observer present, for all the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), and (a)(3)(ii). If the inspection required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(ii) is not planned and it could not have been known about 30 calendar days in advance of refilling, submit notification at least 7 calendar days prior to the refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(a)]
- Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
- Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****EQT 0984 T-1988 - HEXANE STORAGE TANK (IIR)**

- 112 [40 CFR 63.122(a)(4)]
Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G.
- 113 [40 CFR 63.122(a)(5)]
[40 CFR 63.122(a)(4)]
Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 114 [40 CFR 63.123]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
- 115 [40 CFR 63.484(a)]
Comply with the requirements of 40 CFR 63.119 through 63.123 and 63.148, with the differences noted in 40 CFR 63.484(b) through (s). Subpart U. [40 CFR 63.484(a)]
- 116 [40 CFR 63.506(e)(7)(i)]
Submit notifications of inspections required by 40 CFR 63.484, as specified in 40 CFR 63.122(h)(1) and (h)(2). Subpart U. [40 CFR 63.506(e)(7)(i)]
- 117 [LAC 33:III.2103.B]
Equip with a submerged fill pipe.
- 118 [LAC 33:III.2103.C.1.a]
Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
- 119 [LAC 33:III.2103.C.1.b]
Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- 120 [LAC 33:III.2103.C.1.c]
Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
- 121 [LAC 33:III.2103.C.2]
Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder well(s) with a sliding cover.
- 122 [LAC 33:III.2103.I]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 123 [LAC 33:III.5109.A]
Class III TAP. MACT is not required.

EQT 0985 M-59 - OIL WATER SEPARATOR (CUSEP02)

- 124 [40 CFR 63.132(a)(1)]
Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i) or (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]
- 125 [40 CFR 63.132(c)]
Determine total annual average concentration of Table 9 compounds according to the procedures in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures in 40 CFR 63.144(c) to determine whether a wastewater stream is Group 1 or Group 2 for Table 9 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream Subpart G. [40 CFR 63.132(c)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
 Activity Number: PER20090002
 Permit Number: 2166-V2
 Air - Title V Regular Permit Renewal

EQT 0985 M-59 - OIL WATER SEPARATOR (CUSEP02)

126 [40 CFR 63.132(d)]

Determine annual average concentration for each Table 8 compound according to the procedures specified in 40 CFR 63.144(b), and determine annual average flow rate according to the procedures specified in 40 CFR 63.144(c), to determine whether a wastewater stream is Group 1 or Group 2 for Table 8 compounds. Redetermine group status for each Group 2 stream, as necessary, to determine whether the stream is Group 1 or Group 2 whenever process changes are made that could reasonably be expected to change the stream to a Group 1 stream. Subpart G. [40 CFR 63.132(d)]

Do not discard liquid or solid organic materials with a concentration of greater than 10,000 ppm of Table 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of 40 CFR 63.144(b)) from a chemical manufacturing process unit to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. Subpart G. [40 CFR 63.132(f)]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records specified in 40 CFR 63.147(a) through (f), as applicable. Subpart G.

Comply with the requirements of 40 CFR 63.132 through 63.148, except as specified in 40 CFR 63.501(a)(1) through (a)(23) and (c). Subpart U. [40 CFR 63.501(a)]

LAC 33:III.2109: EXEMPT - separating <200 gal/day of materials containing volatile organic compounds.

Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2109.D.2.

EQT 0986 T-111A - C6 BLOWDOWN DRUM (D-111A)

128 [40 CFR 63.147]

Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.

Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]

Which Months: All Year Statistical Basis: None specified

Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]

Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]

Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

SPECIFIC REQUIREMENTS**AID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****EQT 0986 T-111A - C6 BLOWDOWN DRUM (D-111A)**

138 [40 CFR 63.182(d)]

Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

139 [40 CFR 63.502(a)] Comply with the requirements of 40 CFR 63 Subpart H, except as specified in 40 CFR 63.502(b) through (m). Subpart U. [40 CFR 63.502(a)]

140 [LAC 33:III.2103.A] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

141 [LAC 33:III.2103.E.1] VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

142 [LAC 33:III.5109.A] Class III TAP. MACT is not required.

EQT 0987 T-1873 - RETURN WATER SURGE TANK (CQTK03)

143 [LAC 33:III.5109.A] Class III TAP. MACT is not required.

EQT 0988 T-1976 - RUBBER CEMENT STORAGE TANK

144 [40 CFR 63.170]

Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.

145 [40 CFR 63.172(f)(1)(i)] Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]

Which Months: All Year Statistical Basis: None specified
Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]

Which Months: All Year Statistical Basis: None specified
Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]

Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

150 [40 CFR 63.182(d)] Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

Comply with the requirements of 40 CFR 63 Subpart H, except as specified in 40 CFR 63.502(b) through (m). Subpart U. [40 CFR 63.502(a)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

EQT 0988 T-1976 - RUBBER CEMENT STORAGE TANK

152 [LAC 33:III.2103.E.2] VOC, Total $\geq 90\%$ control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Class III TAP. MACT is not required.

EQT 0989 T-1977 - RUBBER CEMENT STORAGE TANK

155 [40 CFR 63.170] Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.

Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]

Which Months: All Year Statistical Basis: None specified

Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]

Which Months: All Year Statistical Basis: None specified

Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]

Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]

Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c).
 Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

Comply with the requirements of 40 CFR 63 Subpart H, except as specified in 40 CFR 63.502(b) through (m). Subpart U. [40 CFR 63.502(a)] VOC, Total $\geq 90\%$ control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Class III TAP. MACT is not required.

164 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

165 [LAC 33:III.5109.A] Class III TAP. MACT is not required.

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****EQT 0990 T-1978 - RUBBER CEMENT STORAGE TANK**

166 [40 CFR 63.170] Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the

167 [40 CFR 63.172(f)(1)(i)] process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]

168 [40 CFR 63.172(f)(1)(ii)] Which Months: All Year Statistical Basis: None specified Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]

Which Months: All Year Statistical Basis: None specified Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]

170 [40 CFR 63.172(m)] Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]

171 [40 CFR 63.182(c)] Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

172 [40 CFR 63.182(d)] Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c).

173 [40 CFR 63.502(a)] Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)] Comply with the requirements of 40 CFR 63 Subpart H, except as specified in 40 CFR 63.502(b) through (m). Subpart U. [40 CFR 63.502(a)] VOC, Total >= 90 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.

174 [LAC 33:III.2103.E.2] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. Class III TAP: MACT is not required.

EQT 0991 T-3093 - SLURRY WATER SURGE TANK (CQTK-05)

175 [LAC 33:III.2103.I] Class III TAP: MACT is not required.

EQT 0992 T-601 - COLD BLOWDOWN DRUM (D-601)

178 [LAC 33:III.2103.A] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
 Activity Number: PER20090002
 Permit Number: 2168-V2
 Air - Title V Regular Permit Renewal

EQT 0992 T-601 - COLD BLOWDOWN DRUM (D-601)

179 [LAC 33:III.2103.E.1]

VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified

FUG 0064 U-69 - HALOBUTYL FINISHING FUGITIVE EMISSIONS(HFU)

180 [LAC 33:III.2122.C.1.c]

Repair according to LAC 33:III.2122.C.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration, except those covered under LAC 33:III.2122.C.1.d.

Do not locate any valve, except safety pressure relief valves, at the end of a pipe or line containing volatile organic compounds unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.

Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2122, within 15 days, except as provided.

Determine the percent of leaking components at a process unit for a test period using the equation in LAC 33:III.2122.C.4.

Determine the total percent of leaking and unrepairable components using the equation in LAC 33:III.2122.C.5.

Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times a year).
 Which Months: All Year Statistical Basis: None specified

Flanged connectors: Presence of a leak monitored by visual, audible, and/or olfactory weekly.

Which Months: All Year Statistical Basis: None specified

Instrumentation systems: Presence of a leak monitored by visual, audible, and/or olfactory weekly.
 Which Months: All Year Statistical Basis: None specified

When a component which has a leak that cannot be repaired, as described in LAC 33:III.2122.C, is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak has been repaired.

Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2122.F.2.a through j. Retain the survey log for two years after the latter date specified in LAC 33:III.2122.F.2 and make said log available to DEQ upon request.

Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment. Include the information specified in LAC 33:III.2122.G.1 through 6 for each calendar quarter during the reporting period.

FUG 0065 U-92 - HALOBUTYL POLYMERIZATION FUGITIVE EMISSIONS (RLA-1)

191 [LAC 33:III.501]

Bromine $<=$ 0.10 tons/yr.

Which Months: All Year Statistical Basis: Annual maximum

192 [LAC 33:III.501]

Bromine $<=$ 0.02 lb/hr.

Which Months: All Year Statistical Basis: Hourly average

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****RLP 1174 V-127 - FLUID BED CONVEYOR (FBC) EXHAUST**

- 193 [40 CFR 63.494(a)(4)]
 194 [LAC 33:III.2|15.K]
 195 [LAC 33:III.5|09.A]
- There are no back-end process operation residual organic HAP limitations for Halobutyl/Butyl Rubber. [40 CFR 63.494(a)(4)] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Class II TAPs are less than MER & Class III TAP. MACT is not required.

RLP 1175 V-131 - VIBRATING FILTER SCREEN EXHAUST VENTS (4)

- 196 [40 CFR 63.494(a)(4)]
 197 [LAC 33:III.2|15.K]
 198 [LAC 33:III.5|09.A]
- There are no back-end process operation residual organic HAP limitations for Halobutyl/Butyl Rubber. [40 CFR 63.494(a)(4)] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. Class III TAP. MACT is not required.

RLP 1176 V-179 - E-200 VENT SERVICING TANKS T-1976, T-1977, T-1978

- 199 [40 CFR 63.172(b)]
 63.172(b)]
 Which Months: All Year Statistical Basis: None specified
 Monitor control devices to ensure that they are operated and maintained in conformance with their design. Subpart H. [40 CFR 63.172(e)]

200 [40 CFR 63.172(e)]
 201 [40 CFR 63.172(f)(1)(i)]
 Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
 repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
 Which Months: All Year Statistical Basis: None specified
 Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
 Which Months: All Year Statistical Basis: None specified
 Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
 Comply with the requirements of 40 CFR 63 Subpart H, except as specified in 40 CFR 63.502(b) through (m). Subpart U. [40 CFR 63.502(a)]
 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
 Activity Number: PER20090002
 Permit Number: 2166-V2
 Air - Title V Regular Permit Renewal

RLP 1176 V-179 - E-200 VENT SERVICING TANKS T-1976, T-1977, T-1978

- 208 [LAC 33:III.2103.E.2] VOC, Total >= 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Complying with 40 CFR 63 Subpart U is MACT.

RLP 1177 V-180 - CENTRIFUGAL COMPRESSOR C602 WEST SEPARATION GAS VENT

- 211 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1178 V-181 - REACTOR MOONEY SAMPLE VENT D-100

- 212 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
 No control is MACT based on low flow rates and low concentrations of HAPs.

RLP 1179 V-182 - GT-601 SEAL OIL DEGASSIFIER VENT

- 213 [LAC 33:III.5109.A] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1180 V-200A - VMD-214 DRUM VENT

- 214 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
 Class III TAP. MACT is not required.

RLP 1181 V-246 - CENTRIFUGAL COMPRESSOR C601A EAST SEPARATION GAS VENT

- 215 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****RLP 1182 V-247 - CENTRIFUGAL COMPRESSOR C601A WEST SEPARATION GAS VENT**

218 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1183 V-248 - CENTRIFUGAL COMPRESSOR C601B EAST SEPARATION GAS VENT

219 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1184 V-249 - CENTRIFUGAL COMPRESSOR C601B WEST SEPARATION GAS VENT

220 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1185 V-435 - CAUSTIC SCRUBBER

221 [40 CFR 63.480(b)(1)]

Retain information, data, and analyses used to document the basis for the determination that the EPPU does not use any organic HAP. Subpart U. [40 CFR 63.480(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

223 [LAC 33:III.5109.A]

RLP 1186 V-44 - CENTRIFUGAL COMPRESSOR C602 EAST SEPARATION GAS VENT

224 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1187 V-45 - CENTRIFUGAL COMPRESSOR C601/C602 MAIN SEAL OIL VENT

225 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1188 V-46 - GAS TURBINE LUBE OIL RESERVOIR VENT

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

RLP 1188 V-46 - GAS TURBINE LUBE OIL RESERVOIR VENT

226 [LAC 33:III.2115.K]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

RLP 1189 V-47 - C-751 SEAL OIL VENT

227 [40 CFR 63.113(e)]

TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]

Which Months: All Year Statistical Basis: None specified Recalculate the TRE index value, flow, or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. Subpart G. [40 CFR 63.115(e)]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent to become a Group 1 process vent. Include the information specified in 40 CFR 63.118(g)(1) through (g)(3). Subpart G. [40 CFR 63.118(g)]

Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a flow rate less than 0.005 standard cubic meter per minute to become a Group 2 process vent with a flow rate of 0.005 scmm or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(i)(1) through (i)(3). Subpart G. [40 CFR 63.118(i)]

Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with an organic HAP concentration less than 50 ppmv to become a Group 2 process vent with an organic HAP concentration of 50 ppmv or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(j)(1) through (j)(3). Subpart G. [40 CFR 63.118(j)]

Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]

Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****RLP 1189 V-47 - C-751 SEAL OIL VENT**

238 [LAC 33:III.5109.A]

No control is MACT based on low flow rates and low concentrations of HAPs.

RLP 1192 V-15 - TOWER T-15 OVERHEAD

239 [40 CFR 63.113(a)(1)]

240 [40 CFR 63.114(d)(1)]
Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]
Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]241 [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified
Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]242 [40 CFR 63.114(d)(2)]
Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified243 [40 CFR 63.485(a)]
Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]244 [LAC 33:III.5109.A]
Using a closed-vent and control system is determined as MACT.**RLP 1195 V-39 - PROCESS GAS DRIER (D-29 A/B/C) REGENERATION VENT**

245 [40 CFR 63.113(a)(1)]

246 [40 CFR 63.114(d)(1)]
Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]
Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]247 [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified
Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]248 [40 CFR 63.114(d)(2)]
Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified
Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]
Class III TAP. MACT is not required.**RLP 1196 V-48 - COMPRESSOR C-751 STRAINER VENT**

251 [40 CFR 63.113(a)(1)]

Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]

SPECIFIC REQUIREMENTS

AJ ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

RLP 1196 V-48 - COMPRESSOR C-751 STRAINER VENT

- 252 [40 CFR 63.114(d)(1)] Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
- 253 [40 CFR 63.114(d)(2)] Which Months: All Year Statistical Basis: None specified
Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- 254 [40 CFR 63.114(d)(2)] Which Months: All Year Statistical Basis: None specified
Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 255 [40 CFR 63.485(a)] Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]
- 256 [LAC 33.III.5109.A] Class III TAP. MACT is not required.

RLP 1197 V-72 - CATALYST POT (D-72 & D-72-A)

- 257 [40 CFR 63.113(a)(1)] Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]
- 258 [40 CFR 63.114(d)(1)] Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
- 259 [40 CFR 63.114(d)(2)] Which Months: All Year Statistical Basis: None specified
Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 260 [40 CFR 63.114(d)(2)] Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- 261 [40 CFR 63.485(a)] Which Months: All Year Statistical Basis: None specified
Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]
- 262 [LAC 33.III.5109.A] Class III TAP. MACT is not required.

RLP 1198 V-7A - TOWER T-7A PURGE

- 263 [40 CFR 63.113(a)(1)] Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]
- 264 [40 CFR 63.114(d)(1)] Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
- 265 [40 CFR 63.114(d)(1)] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****RLP 1198 V-7A - TOWER T-7A PURGE**

- 265 [40 CFR 63.114(d)(2)] Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 266 [40 CFR 63.114(d)(2)] Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- 267 [40 CFR 63.485(a)] Which Months: All Year Statistical Basis: None specified Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]
- 268 [LAC 33:III.5.109.A] Class III TAP. MACT is not required.

RLP 1199 V-7B - TOWER T-7B

- 269 [40 CFR 63.113(a)(1)] Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]
- 270 [40 CFR 63.114(d)(1)] Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
- 271 [40 CFR 63.114(d)(2)] Which Months: All Year Statistical Basis: None specified Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 272 [40 CFR 63.114(d)(2)] Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- 273 [40 CFR 63.485(a)] Which Months: All Year Statistical Basis: None specified Comply with the requirements of 40 CFR 63.113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]
- 274 [LAC 33:III.5.109.A] Class III TAP. MACT is not required.

RLP 1200 V-433 - HD-104 FLASH DRUM INERTS PURGE VENT

- 275 [40 CFR 63.113(a)(1)] Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]
- 276 [40 CFR 63.114(d)(1)] Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
- 277 [40 CFR 63.114(d)(2)] Which Months: All Year Statistical Basis: None specified Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
- 278 [40 CFR 63.114(d)(2)] Which Months: All Year Statistical Basis: None specified Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]

SPECIFIC REQUIREMENTS

AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant
Activity Number: PER20090002
Permit Number: 2166-V2
Air - Title V Regular Permit Renewal

RLP 1200 V-433 - HD-104 FLASH DRUM INERTS PURGE VENT

- 279 [40 CFR 63.485(a)] Comply with the requirements of 40 CFR 63.1113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]
 280 [LAC 33.III.5109.A] Class III TAP. MACT is not required.

RLP 1201 V-436 - KNOCKOUT DRUM

- 281 [40 CFR 63.113(a)(1)] Reduce emissions of organic HAP using a flare. Subpart G. [40 CFR 63.113(a)(1)]
 282 [40 CFR 63.114(d)(1)] Bypass lines: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any bypass line that could divert the gas stream to the atmosphere. Subpart G. [40 CFR 63.114(d)(1)]
 283 [40 CFR 63.114(d)(2)] Which Months: All Year Statistical Basis: None specified
 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
 Which Months: All Year Statistical Basis: None specified
 284 [40 CFR 63.114(d)(2)] Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
 285 [40 CFR 63.485(a)] Comply with the requirements of 40 CFR 63.1113 through 63.118, except as provided in 40 CFR 63.485(b) through (v). Subpart U. [40 CFR 63.485(a)]
 286 [LAC 33.III.5109.A] Class III TAP. MACT is not required.

CRG 0005 FUGITIVES - RLA-1 FUGITIVE EMISSIONS

Group Members: FUG 0063FUG 0065FUG 0066

- 287 [40 CFR 63.162(c)] Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63.162(c)
 Subpart H. Subpart H. [40 CFR 63.162(c)]
 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]

SPECIFIC REQUIREMENTS**AI ID: 286 - ExxonMobil Baton Rouge Chemical Plant****Activity Number: PER20090002****Permit Number: 2166-V2****Air - Title V Regular Permit Renewal****CRG 0005 FUGITIVES - RLA-1 FUGITIVE EMISSIONS**

- 289 [40 CFR 63.163(b)(1)] Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (i). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- 290 [40 CFR 63.163(b)(3)] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- 291 [40 CFR 63.163(c)] Which Months: All Year Statistical Basis: None specified Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 292 [40 CFR 63.163(d)(2)] Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 293 [40 CFR 63.163(d)(4)] Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 294 [40 CFR 63.163(e)(1)] Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-loop system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 295 [40 CFR 63.163(e)(2)] Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 296 [40 CFR 63.163(e)(3)] Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 297 [40 CFR 63.163(e)(4)] Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
- Which Months: All Year Statistical Basis: None specified Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]

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- 299 [40 CFR 63.163(e)(6)] Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
- 300 [40 CFR 63.163(e)] Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
- Which Months: All Year Statistical Basis: None Specified Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
- Which Months: All Year Statistical Basis: None Specified Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
- Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
- Which Months: All Year Statistical Basis: None Specified Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172, or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- Compressors: Ensure that the barrier fluid is not in liquid service. Subpart H. [40 CFR 63.164(c)]
- Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]

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310 [40 CFR 63.164(i)(2)]

Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]

Which Months: All Year Statistical Basis: None specified
Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H.

311 [40 CFR 63.164]

Which Months: All Year Statistical Basis: None specified
Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]

Which Months: All Year Statistical Basis: None specified
Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]

313 [40 CFR 63.165(b)(1)]

Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]

Which Months: All Year Statistical Basis: None specified
Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]

Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.

Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.

Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]

Which Months: All Year Statistical Basis: None specified

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- 319 [40 CFR 63.168(c)] Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service or light liquid service (Phase II), 2 percent or greater leaking valves: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service or light liquid service (Phase III), less than 2 percent leaking valves: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (f). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
- Which Months: All Year Statistical Basis: None specified
- Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(i)(1)]

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328 [40 CFR 63.168(i)(3)]

Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]

Which Months: All Year Statistical Basis: None specified
Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]

Which Months: All Year Statistical Basis: None specified
Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]

Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.

Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(h)(1)(i)]

Which Months: All Year Statistical Basis: None specified
Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]

Which Months: All Year Statistical Basis: None specified
Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]

Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]

Which Months: All Year Statistical Basis: None specified
Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]

Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
Which Months: All Year Statistical Basis: None specified

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- 338 [40 CFR 63.172(j)(2)] Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seat or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 339 [40 CFR 63.172(k)(1)] Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- 340 [40 CFR 63.172(k)(2)] Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
- 341 [40 CFR 63.172(l)(1)] Which Months: All Year Statistical Basis: None specified Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
- 342 [40 CFR 63.172(l)(2)] Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
- 343 [40 CFR 63.172(m)] Which Months: All Year Statistical Basis: None specified Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
- 344 [40 CFR 63.173(c)] Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
- 345 [40 CFR 63.173(a)] Which Months: All Year Statistical Basis: None specified Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
- 346 [40 CFR 63.173(b)] Which Months: All Year Statistical Basis: None specified Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 347 [40 CFR 63.173(d)(1)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure, or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]

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348 [40 CFR 63.173(d)(2)]
 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]

349 [40 CFR 63.173(d)(3)]
 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]

350 [40 CFR 63.173(d)(4)]
 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]

Which Months: All Year Statistical Basis: None specified
 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]

352 [40 CFR 63.173(d)(6)]
 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]

353 [40 CFR 63.173(d)]
 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]

Which Months: All Year Statistical Basis: None specified
 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]

354 [40 CFR 63.173(g)]
 Which Months: All Year Statistical Basis: None specified
 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

355 [40 CFR 63.173(h)(1)]

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- 356 [40 CFR 63.173(h)(3)] Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]
- Which Months: All Year Statistical Basis: None specified
- Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
- Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 362 [40 CFR 63.174(b)(3)(iii)]
- 363 [40 CFR 63.174(c)(1)(i)]
- 364 [40 CFR 63.174(c)(2)(i)]

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365 [40 CFR 63.174(c)(2)(ii)]

Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]

366 [40 CFR 63.174(d)]

Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]

367 [40 CFR 63.174(f)(1)]

Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]

Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]

368 [40 CFR 63.174(f)(2)] Which Months: All Year Statistical Basis: None specified

Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]

Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]

Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]

371 [40 CFR 63.174(i)] Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.

Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]

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- 377 [40 CFR 63.182(c)] Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
 378 [40 CFR 63.182(d)] Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
 379 [40 CFR 63.502(a)] Comply with the requirements of 40 CFR 63 Subpart H, except as specified in 40 CFR 63.502(b) through (m). Subpart U. [40 CFR 63.502(a)]
 380 [LAC 33.III.2122] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.
 381 [LAC 33.III.5109.Non-HON.M] Comply with 40 CFR 63 Subpart H in accordance with streamlined LDAR fugitives monitoring program defined in Appendix A.

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- All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
 Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]
 Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]
 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
 Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
 Submit report: Due by initial startup. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
 Include in the report required by 40 CFR 61.357(d)(2) a table presenting the information specified in 40 CFR 61.357(d)(5)(i) and (d)(5)(ii) for each waste stream. Subpart FF. [40 CFR 61.357(d)(5)]
 Notify DEQ of the alternative standard selected in the report required under 40 CFR 61.07 or 61.10. Subpart FF. [40 CFR 61.357(e)]
 390 [40 CFR 61.357(e)] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
 391 [40 CFR 61.] Conduct performance testing in accordance with 40 CFR 63.7(a)(1), (a)(3), (d), (e)(1), (e)(2), (e)(4), (B), and (h), with the exceptions specified in 40 CFR 63.504(a)(1) through (a)(5) and the additions specified in 40 CFR 63.504(b). Subpart U. [40 CFR 63.504(a)]

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- 393 [40 CFR 63.506(a)] Keep copies of all applicable records and reports required by 40 CFR 63 Subpart U for at least 5 years, as specified in 40 CFR 63.506(a)(1), with the exception listed in 40 CFR 63.506(a)(2). Subpart U. [40 CFR 63.506(a)]
- 394 [40 CFR 63.506(b)] Comply with the applicable recordkeeping and reporting requirements in 40 CFR 63 Subpart A, as specified in 40 CFR 63 Subpart U Table 1.
- 395 [40 CFR 63.506(d)] Subpart U. [40 CFR 63.506(b)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.506(d)(1) through (d)(9), unless an alternative recordkeeping system has been requested and approved as specified in 40 CFR 63.506(g), and except as provided in 40 CFR 63.506(h). Subpart U. [40 CFR 63.506(d)]
- 396 [40 CFR 63.506(e)(5)] Submit Notification of Compliance Status: Due no later than 150 days after the compliance dates specified in 40 CFR 63 Subpart U. Submit the information specified in 40 CFR 63.506(e)(5)(i) through (e)(5)(xii), as applicable. Subpart U. [40 CFR 63.506(e)(5)]
- 397 [40 CFR 63.506(e)(6)] Submit Periodic Report: Due semiannually no later than 60 days after the end of each 6-month period. Submit the first report no later than 240 days after the date the Notification of Compliance Status is due, covering the 6-month period beginning on the date the Notification of Compliance Status is due. Submit the information specified in 40 CFR 63.506(e)(6)(i) through (e)(6)(xii). Subpart U. [40 CFR 63.506(e)(6)]
- 398 [40 CFR 63.7935(a)] Comply with the emission limitations (including operating limits) and the work practice standards in 40 CFR 63 Subpart GGGGG at all times, except during periods of startup, shutdown, and malfunction. Subpart GGGGG. [40 CFR 63.7935(a)]
- 399 [40 CFR 63.7935(b)] Operate and maintain facility, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart GGGGG. [40 CFR 63.7935(b)]
- 400 [40 CFR 63.7935(i)] Operate and maintain the continuous monitoring system according to the site-specific monitoring plan. Subpart GGGGG. [40 CFR 63.7935(i)]
- 401 [40 CFR 63.7936(a)] Transfer the remediation material to a facility that meets the requirements in 40 CFR 63.7936(b). Record the name, street address, and telephone number of the facility where the remediation material is sent. Subpart GGGGG. [40 CFR 63.7936(a)]
- 402 [40 CFR 63.7936(b)(2)] Obtain a written statement from the owner or operator of the facility to which remediation material is being sent acknowledging that the exemption under 40 CFR 63.680(b)(2)(iii) will be waived for all remediation material received at the facility from you and your material will be managed as an off-site material at the facility according to all applicable requirements prior to sending remediation material. Ensure that the statement is signed by the responsible official of the receiving facility, provides the name and address of the receiving facility, and that a copy is sent to the appropriate EPA Regional Office at the addresses listed in 40 CFR 63.13. Subpart GGGGG. [40 CFR 63.7936(b)(2)]
- 403 [40 CFR 63.7936(b)(3)(i)] Prepare and include a notice with each shipment or transport of remediation material from the site. Ensure that this notice states that the remediation material contains organic HAP that are to be treated according to the provisions of 40 CFR 63 Subpart GGGGG. When the transport is continuous or ongoing, submit the notice to the receiving facility owner or operator initially and whenever there is a change in the required treatment. Subpart GGGGG. [40 CFR 63.7936(b)(3)(i)]
- 404 [40 CFR 63.7936(b)(3)(ii)] Do not transfer remediation material unless the owner or operator of the facility receiving your remediation material has submitted to the EPA a written certification that he or she will manage remediation material received from you according to the requirements of 40 CFR 63.7885 through 63.7957. Subpart GGGGG. [40 CFR 63.7936(b)(3)(ii)]
- 405 [40 CFR 63.7937(a)] Demonstrate initial compliance with the applicable general standards in 40 CFR 63.7884 through 63.7887 by meeting the requirements in 40 CFR 63.7937(b) through (d), as applicable. Subpart GGGGG. [40 CFR 63.7937(a)]
- 406 [40 CFR 63.7938(a)] Demonstrate continuous compliance with the applicable general standards in 40 CFR 63.7884 through 63.7887 by meeting the requirements in 40 CFR 63.7938(b) through (d), as applicable. Subpart GGGGG. [40 CFR 63.7938(a)]

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- 407 [40 CFR 63.7950(a)] Submit all of the applicable notifications in 40 CFR 63.7(b) and (c), 63.8(e), 63.8(f)(4) and (6), and 63.9(b) through (h), as specified in 40 CFR 63.7950. Subpart GGGGG. [40 CFR 63.7950(a)]
- 408 [40 CFR 63.7951] Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.7951(b)(1) through (b)(3) and, as applicable, (b)(4) through (b)(9). Subpart GGGGG.
- 409 [40 CFR 63.7952] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7952(a) through (d), as applicable. Subpart GGGGG.
- 410 [40 CFR 63.7953(a)] Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Keep files of all information (including all reports and notifications) for 5 years following the date of each occurrence, measurement, maintenance, action taken to correct the cause of a deviation, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, correction action, report, or record, according to 40 CFR 63.10(b)(1). Records may be kept off-site for the remaining 3 years. Subpart GGGGG. [40 CFR 63.7953(a)]
- 411 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 5 of 40 CFR 63 Subpart U.
- 412 [40 CFR 82. Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 413 [LAC 33:III.1.103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 414 [LAC 33:III.1.109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 415 [LAC 33:III.1.109.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 416 [LAC 33:III.2.II.3.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2.II.3.A. 1.-5.
- 417 [LAC 33:III.2.II.19] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 418 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 419 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 420 [LAC 33:III.501.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include Ethylene and Propylene. (State Only).

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- Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931.
- Submit notification in the manner provided in LAC 33:I.3923.
- Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.

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- 432 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 433 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 434 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 435 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 436 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- 437 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 438 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 439 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 440 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 441 [LAC 33:III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- 442 [LAC 33:III.5907] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 443 [LAC 33:III.5911.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 444 [LAC 33:III.5911.C] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later.
- 445 [LAC 33:III.919.D] Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.